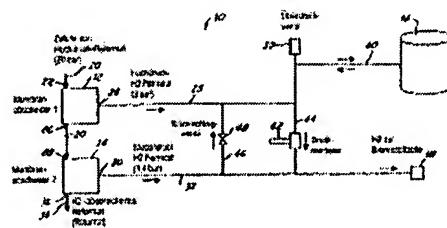


On board fuel reformer system for fuel cells of vehicles, has several diaphragm hydrogen separation systems**Publication number:** DE10116753**Also published as:****Publication date:** 2001-10-25

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Inventor: JAMES BRIAN DAVID (US)**Applicant:** FORD GLOBAL TECH INC (US)**Classification:****- International:** H01M8/06; H01M8/06; (IPC1-7): H01M8/06**- European:** H01M8/06C**Application number:** DE20011016753 20010404**Priority number(s):** US20000549397 20000414**Report a data error here****Abstract of DE10116753**

The on-board fuel reformer system has several diaphragm hydrogen separation systems. The fuel reformer system includes two hydrogen cleaning units connected with each other. The first hydrogen cleaning unit (12) produces a first hydrogen flow with a first pressure. The second hydrogen cleaning unit (14) produces a second hydrogen flow with a second pressure. The first hydrogen flow is supplied to a metal hydride storage bed (16), in order to charge this. The hydrogen in this bed reacts in combination with the supply of a fuel cell to the second hydrogen flow. Independent claims are included for supplying a fuel cell with hydrogen.



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